CONTENTS

VOLUME 56 · NUMBER 1 · APRIL 1984

Review	
A. J. PINCHING: The acquired immune deficiency syndrome G. J. HAUSER, TAMAR BINO, H. ROSENBERG, VERA ZAKUTH, E. GELLER & Z. SPIRER:	1
Interleukin-2 production and response to exogenous interleukin-2 in a patient with the	
acquired immune deficiency syndrome (AIDS) M. A. H. French & G. Harrison: Systemic antibody deficiency in patients without serum	14
immunoglobulin deficiency or with selective IgA deficiency J. M. Zabay, G. Fontán, A. Campos, Matia C. García-Rodriguez, Dora Pascual-Sal-	18
CEDO, A. BOOTELLO & E. G. DE LA CONCHA: Disorders of regulatory T cell function in patients with the Wiskott-Aldrich syndrome	23
H. B. FUCHS, L. SLATER, H. NOVEY, K. ONG & S. GUPTA: Immunological analysis in familial common variable immunodeficiency	29
B. R. G. WILLIAMS, S. E. READ & E. W. GELFAND: <i>In vitro</i> hyporeactivity to α-interferon in children with severe combined immunodeficiency disease	34
$\label{eq:Adela Goday} ADELA GODAY, H. \ Anne Simmonds, G. S. \ Morris \& \ Lynette \ D. \ Fairbanks: B cells as well as \\ T cells form deoxynucleotides from either deoxyadenosine or deoxyguanosine$	39
J. Hamid, J. Bancewicz, R. Brown, Caroline Ward, M. H. Irving & W. L. Ford: The significance of changes in blood lymphocyte populations following surgical operations	49
B. GALVÃO-CASTRO, J. A. SÁ FERREIRA, KEYLA F. MARZOCHI, M. C. MARZOCHI, S. G. COUTINHO & P. H. LAMBERT: Polyclonal B cell activation, circulating immune complexes and autoimmunity in human american visceral leishmaniasis	58
L. H. PERRIN, M. LOCHE, JP. DEDET, C. ROUSSILHON & T. FANDEUR: Immunization against Plasmodium falciparum asexual blood stages using soluble antigens	67
B. SCHMITZ, MARINA GEHRUNG, MARY THORNTON & V. SPETH: The role of antibody and complement in the cellular response to <i>Trypanosoma congolense</i>	73
I. M. ORME & F. M. COLLINS: Demonstrations of acquired resistance in Bcg ^r inbred mouse strains infected with a low dose of BCG Montreal	81
SARA J. BRETT, SHEILA N. PAYNE, P. DRAPER & R. GIGG: Analysis of the major antigenic determinants of the characteristic phenolic glycolipid from Mycobacterium leprae	89
R. TURCOTTE, JOCELYNE CHAPUT & SUZANNE LEMIEUX: Enhancement of resistance in $Mycobacterium$ lepraemurium infected C3H mice by treatment with sonicated M .	0.5
lepraemurium or splenectomy JUDITH O. PRETELL, JOANNE WIMBERLY & J. A. PARRISH: Ultra violet radiation-induced	97
defects in accessory cell function in the human proliferative response to tetanus J. A. Levy, H. M. Lee, R. T. Kawahata & Lynn E. Spitler: Purification of monoclonal antibodies from mouse ascites eliminates contaminating infectious mouse type C viruses	105
and nucleic acids H. F. EGGINK, H. J. HOUTHOFF, SIPPIE HUITEMA, G. WOLTERS, S. POPPEMA & C. H. GIPS:	114
Cellular and humoral immune reactions in chronic active liver disease. II. Lymphocyte subsets and viral antigens in liver biopsies of patients with acute and chronic hepatitis B	121
I. M. ROITT, R. PUJOL-BORREL, T. HANAFUSA, P. J. DELVES, G. F. BOTTAZZO & L. D. KOHN: Asialoagalactothyroglobulin binds to the surface of human thyroid cells at a site distinct	
from the 'microsomal' autoantigen A. P. Weetman, A. M. McGregor, D. P. Rennie, Rosie Hassman & R. Hall: The role of the	129
spleen in experimental autoimmune thyroiditis A. Costa, V. de Filppis, A. Balsamo, Nicoletta Ravarino, Ornella Testori, Piera	135
Valmaggia & G. Zoppetti: Serum autoantibodies and thyroid lymphocytic infiltration in endemic goitre	143
GILLIAN M. P. GALBRAITH, B. H. THIERS & J. P. PANDEY: Gm allotype associated resistance and susceptibility to alopecia areata	149

B. Albini, M. Milgrom, Bernice Noble, Christine Albini, Elena Ossi & G. A. Andres: Transplacental transmission of antibodies to tubular basement membrane in guinea-pigs with autoimmune tubulointerstitial nephritis 153 V. A. DANIS, A. D. HARRIES & R. V. HEATLEY: In vitro immunoglobulin secretion by normal human gastrointestinal mucosal tissues, and alterations in patients with inflammatory howel disease 159 LYNDA PARTRIDGE, R. JEFFERIS, DEBBIE HARDIE, N. R. LING & P. RICHARDSON: Subclasses of IgG on the surface of human lymphocytes: a study with monoclonal antibodies 167 D. SINHA, M. WELLS & W. PAGE FAULK: Immunological studies of human placentae: complement components in pre-eclamptic chorionic villi 175 W. EMLEN & M. MANNIK: Effect of DNA size and strandedness on the in vivo clearance and 185 organ localization of DNA T. KOIKE, M. SUEISHI, H. FUNAKI, H. TOMIOKA & S. YOSHIDA: Anti-phospholipid antibodies and biological false positive serological test for syphilis in patients with systemic lupus 193 erythematosus J. N. BUXBAUM & SANDRA KAMMERMAN: Immunoglobulin abnormalities in Paget's disease of 200 J. LEE, R. M. HAKIM & D. T. FEARON: Increased expression of the C3b receptor by neutrophils 205 and complement activation during haemodialysis DOMINIQUE BERNARD, J.-C. MAURIZIS, FRANÇOISE RUSÉ, J. CHASSAGNE, P. CHOLLET, B. SAUVEZIE, MONIQUE DE LATOUR & R. PLAGNE: Presence of HLA-D/DR antigens on the 215 membrane of breast tumour cells VOLUME 56 · NUMBER 2 · MAY 1984 D. C. LINCH, R. J. LEVINSKY, C. H. RODECK, K. A. MACLENNAN & H. ANNE SIMMONDS: Prenatal diagnosis of three cases of severe combined immunodeficiency: severe T cell deficiency during the first half of gestation in fetuses with adenosine deaminase deficiency 223 A. FRIEJD, L. HAMMARSTRÖM, M. A. A. PERSSON & C. I. E. SMITH: Plasma anti-pneumococcal antibody activity of the IgG class and subclasses in otitis prone children 233 O. L. DUKE, S. HOBBS, G. S. PANAYI, L. W. POULTER, J. J. RASKER & G. JANOSSY: A combined immunohistological and histochemical analysis of lymphocyte and macrophage subpopulations in the rheumatoid nodule 239 T. L. MOORE, R. W. DORNER, P. W. SHERIDAN & J. ZUCKNER: Precipitation of 19S IgM rheumatoid factor-IgG circulating immune complexes in patients with juvenile arthritis by polyethylene glycol and separation by immobilized protein A 247 I. PARDO, C. CARAFA, R. DZIARSKI & A. I. LEVINSON: Analysis of in vitro polyclonal B cell differentiation responses to bacterial peptidoglycan and pokeweed mitogen in rheumatoid arthritis 253 ANNE-LOUISE CLAYTON, R. M. BERNSTEIN, M. TAVASSOLI, S. SHALL, C. BUNN, G. R. V. HUGHES & SHIREEN M. CHANTLER: Measurement of antibody to poly(adenosine diphosphate-ribose): its diagnostic value in systemic lupus erythematosus 263 S. IZUI, I. HARA, LE MING HANG, J. H. ELDER, PATRICIA J. McConahey & F. J. DIXON: Association of elevated serum glycoprotein gp70 with increased gp70 immune complex formation and accelerated lupus nephritis in autoimmune male BXSB mice 272 Bernice Noble, G. A. Andres & J. R. Brentjens: Passively transferred anti-brush border antibodies induce injury of proximal tubules in the absence of complement 281 P. DE PAOLI, S. BATTISTIN, A. JUS, M. REITANO, D. VILLALTA, S. DE MARCHI, EMANUELA CECCHIN, A. BASILE & G. SANTINI: Immunological characterization of renal glycosuria 289 EILLEN McGINLEY, W. MARTIN, NANCY HENDERSON & J. M. BOULTON-JONES: Defective

splenic reticuloendothelial function in idiopathic membranous nephropathy

293

Volume contents

N. J. CALVANICO, SUNANDINI AMBEGAONKAR, W. D. GEOGHEGAN & W. CAREY HANLY: Analysis of rabbit lung lavage immunoglobulins during the course of pulmonary inflammation induced with aerosolized antigen 300 H. M. JANSEN, A. J. H. SCHUTTE, J. D. ELEMA, M. V. D. GIESSEN, R. PESET REIG, M. A. V. LEEUWEN, H. J. SLUITER & T. H. THE: Local immune complexes and inflammatory response in patients with chronic interstitial pulmonary disorders associated with collagen vascular diseases 309 KATALIN LUKAS, MARY P. CARROLL, MARGARE E. HODSON & A. B. KAY: Receptor associated defects of cultured monocytes in bronchial carcinoma 319 A. P. WEETMAN, A. M. McGregor, M. H. Wheeler & R. Hall: Extrathyroidal sites of autoantibody synthesis in Graves' disease DEBORAH A. NICKERSON & P. FAIRCLOUGH: Immune responsiveness following intratracheal inoculation with Histoplasma capsulatum yeast cells 335 M. TAKIGUCHI, T. TAMURA, S. KUSAKAWA, F. MILGROM & K. KANO: Immunological studies on Kawasaki disease. I. Appearance of Hanganutziu-Deicher antibodies 343 Y. SAKAMOTO, H. SANUI, S. YOSHIDA & K. NOMOTO: Local passive transfer of delayed type hypersensitivity to syngeneic testicular cells in mice 351 H. DANG, M. FISCHBACH, VALERIE FEY & N. TALAL: Defective LN cell proliferative response to Sm antigen in mice bearing the lpr gene 359 P. K. KATAAHA, CHRISTINE A. FACER & E. J. HOLBOROW: Plasmodium falciparum products enhance human lymphocyte transformation by Epstein-Barr virus 369 R. Foa, P. Lusso, M. Teresa Fierro, M. Cristina Giubellino, M. Luisa Ferrando & L. PEGORARO: Effects of 12-o-tetradecanoyl-phorbol-13-acetate (TPA) on the colony growth of human T lymphocytes 375 T. R. ADLER, G. N. BEALL, J. G. CURD, D. C. HEINER & U. K. SABHARWAL: Studies of complement activation and IgG subclass restriction of anti-thyroglobulin 381 H. KOTANI, S. TAKADA, Y. UEDA, YOHKO MURAKAWA, N. SUZUKI & T. SAKANE: Activation of immune regulatory circuits among OKT4+ cells by autologous mixed lymphocyte 388 LESLEY J. MURRAY, S. H. SWERDLOW & J. A. HABESHAW: Distribution of B lymphocytes 399 subsets in normal lymphoid tissue GRETA E. M. ASMA, RENÉE LANGLOIS VAN DEN BERGH & J. M. VOSSEN: Development of pre-B and B lymphocytes in the human fetus 407 KATHLEEN M. MILLER, W. B. PITTARD & R. U. SORENSEN: Cord blood B cell differentiation. Synergistic effect of pokeweed mitogen and Staphylococcus aureus on in vitro differentiation of B cells from human neonates 415 AYAKO UEKI, TOSHIE OKA & Y. MOCHIZUKI: Proliferation stimulating effects of chrysotile and crocidolite asbestos fibres on B lymphocyte cell lines 425 ANNE-MARIE VAREY, ANNE COOKE, G. DIMITROCOPPULOS & M. PAPAMICHAIL: Mitogenic effects of glycolipoprotein extract from Pseudomonas aeruginosa 431 P. R. GIBSON, E. L. DOW, W. S. SELBY, R. G. STRICKLAND & D. P. JEWELL: Natural killer cells and spontaneous cell-mediated cytotoxicity in the human intestine 437 P. R. GIBSON, H. J. J. VERHAAR, W. S. SELBY & D. P. JEWELL: The mononuclear cells of human mesenteric blood, intestinal mucosa and mesenteric lymph nodes: compartmentali-445 zation of NK cells H.-P. HARTUNG, U. HADDING, D. BITTER-SUERMANN & D. GEMSA: Release of prostaglandin E and thromboxane from macrophages by stimulation with Factor H 453 Hu Yu-Wen, Xue Guo-Xung & Y. H. Tan: Spontaneous production of human gamma interferon in vitro by splenic lymphocytes of patients with idiopathic thrombocytopenic 459 ригрига KAREEN J. I. THORNE & D. FRANKS: Surface proteins of the human eosinophil. I. Isolation of 464 eosinophil IgG binding proteins

M. A. H. French & G. Harrison: Serum IgG subclass concentrations in healthy adults: a

473

study using monoclonal antisera

F. HERRMANN: Letter to the Editor: Lymphocyte phenotypes in patients with highly reduced T inducer to T cytotoxic/suppressor ratios

476

VOLUME 56 · NUMBER 3 · JUNE 1984

D. W. BEATTY, Z. T. HANDZEL, MARIT PECHT, C. R. RYDER, JANE HUGHES, KAREN McCABE & N. TRAININ: A controlled trial of treatment of acquired immunodeficiency in severe measles with thymic humoral factor

479

T. HUWYLER, A. MORELL, A. HIRT, C. RICCI, H. P. WAGNER & S. BARANDUN: Correlation of natural killer cell function with Leu 7 reactivity in patients with humoral immunodeficiency

486

KEIKO FUNA, G. ANNEREN, G. V. ALM & B. BJORKSTEN: Abnormal interferon production and NK cell responses to interferon in children with Down's syndrome

493

NK cell responses to interferon in children with Down's syndrome
T. N. KAUL, H. FADEN, R. BAKER & P. L. OGRA: Virus-induced complement activation and neutrophil-mediated cytotoxicity against respiratory syncytial virus (RSV)

501

C. A. KRAAIJEVELD, M. SCHILHAM, J. JANSEN, BARRY BENAISSA-TROUW, M. HARMSEN, A. J. VAN HOUTE & H. SNIPPE: The effect of liposomal charge on the neutralizing antibody response against inactivated encephalomyocarditis and Semliki Forest virus

509

T. B. ISSEKUTZ: Kinetics of cytotoxic lymphocytes in efferent lymph from single lymph nodes following immunization with vaccinia virus

515

I. A. CLARK, N. H. HUNT, W. B. COWDEN, LESLEY E. MAXWELL & ELEANOR J. MACKIE: Radical-mediated damage to parasites and erythrocytes in *Plasmodium vinckei* infected mice after injection of t-butyl hydroperoxide

524

A. TAGLIABUE, L. NENCIONI, L. VILLA & DIANA BORASCHI: Genetic control of in vitro natural cell-mediated activity against Salmonella typhimurium by intestinal and splenic lymphoid cells in mice

531

P. R. KLATSER, MARIA M. VAN RENS & T. A. EGGELTE: Immunochemical characterization of Mycobacterium leprae antigens by the SDS-polyacrylamide gel electrophoresis immunoperoxidase technique (SGIP) using patients' sera

537

MARIAN J. RIDLEY, D. S. RIDLEY, F. C. DE BEER & M. B. PEPYS: C-reactive protein and apoB containing lipoproteins are associated with *Mycobacterium leprae* in lesions of human leprosy

545

J. PASSWELL, R. SHOR, G. KEREN, G. MESSER & J. EL-ON: Comparison of the effect of various stimuli on the leishmaniacidal capacity of human monocytes in vitro

553

A. Ferrante & Tessa J. Mocatta: Human neutrophils require activation by mononuclear leucocyte conditioned medium to kill the pathogenic free-living amoeba, *Naegleria fowleri* NUZHAT A. KAUSHAL, RABIA HUSSAIN & E. A. OTTESEN: Excretory—secretory and somatic

559

antigens in the diagnosis of human filariasis

KAREEN J. I. THORNE, B. A. RICHARDSON & A. E. BUTTERWORTH: Surface proteins of the human eosinophil. II. Effects of *Schistosoma mansoni* larvae on eosinophil surface proteins

567 577

VIBHA PATEL & G. S. PANAYI: Enhanced T helper cell function for the spontaneous production of IgM rheumatoid factor *in vitro* in rheumatoid arthritis

584

D. S. PISETSKY, DENISE M. SALISTAD & JASEMINE C. CHAMBERS: Characterization and idiotypic analysis of anti-RNP monoclonal antibody

593

 D. G. I. SCOTT, R. P. SKINNER, P. A. BACON & P. J. MADDISON: Precipitating antibodies to nuclear antigens in systemic vasculitis
 M. J. McKeown, N. D. Hall & J. R. F. Corvalan; Defective monocyte accessory function

601

M. J. McKeown, N. D. Hall & J. R. F. Corvalan: Defective monocyte accessory function due to surface sulphydryl (SH) oxidation in rheumatoid arthritis

607

M. R. Daha, H. M. Hazevoet & L. A. van Es: Heterogeneity, polypeptide chain composition and antigenic reactivity of autoantibodies (F-42) that are directed against the classical pathway C3 convertase of complement and isolated from sera of patients with systemic lupus erythematosus

614

Volume contents

L. SCHRIEBER, R. D. MELSOM, P. J. W. VENABLES, D. A. McCARTHY & R. N. MAINI: Specific	
autoantibody slows the rapid plasma clearance of ¹²⁵ I-SS-B (La) in mice	621
Y. NAKAO, H. MATSUMOTO, K. TSUJI, T. MIYAZAKI, T. MASAOKA, S. NAKAYAMA, K.	
Kinoshita, T. Shingami, T. Matsui & T. Fujita: IgG heavy chain allotype (Gm), a genetic	
marker for human chromosome 14q32, and haematopoietic malignancies	628
MADELEINE E. DEVEY & KATHERINE BLEASDALE: Antigen feeding modifies the course of	
antigen-induced immune complex disease	637
J. MERRETT, R. STC. BARNETSON, M. L. BURR & T. G. MERRETT: Total and specific IgG4	
antibody levels in atopic eczema	645
F. Lauria, R. Foa, M. Cavo, M. Gobbi, D. Raspadori, M. C. Giubellino, P. L. Tazzari &	010
S. Tura: Membrane phenotype and functional behaviour of T lymphocytes in multiple	
myeloma: correlation with clinical stages of the disease	653
	033
A. R. PACHNER & F. S. KANTOR: In vitro and in vivo actions of acetylcholine receptor educated	
suppressor T cell lines in murine experimental autoimmune myasthenia gravis	659
K. YOSHIOKA, S. KAKUMU, H. MURAKAMI & K. FUKUI: Interleukin-2 activity in chronic active	
liver diseases: response by T cells and in the autologous mixed lymphocyte reaction	669
S. Antonaci, E. Jirillo, Maria Teresa Ventura, A. Capurso, Anna Rita Garofalo & L.	
BONOMO: In vitro effects of human lipoproteins on the immune system of healthy donors:	
inhibition of plaque forming cell generation and decreased frequency of NK cells	677
T. LEHNER & TINA JONES: The role of MHC class II antigenic determinants in the function of	
human antigen binding T8+ cells, monocytes and helper and suppressor factors	683
H. R. E. SCHUIT, W. HIJMANS & J. JANSEN: Surface bound or cytoplasmic immunoglobulins:	
interpretation of the immunofluorescence observed in cytocentrifuge slides of human	
lymphocytes	694
S. K. SUNDAR, J. BERGERON & J. MENEZES: Purified plasminogen activating factor produced	02.
by malignant lymphoid cells abrogates lymphocyte cytotoxicity	701
G. C. MUDDE, CAROLINA J. M. VERBERNE, K. GROENEVELD & G. C. DE GAST: Human tonsil B	701
lymphocyte function. I. The proliferative response to Staphylococcus aureus and pokeweed	700
mitogen in relation to surface heavy chains and μ and δ	709
R. J. Shaw, O. Cromwell & A. B. Kay: Preferential generation of leukotriene C ₄ by human	
eosinophils	716
AUTHOR AND SUBJECT INDEVES FOR VOLUME 56	723